

ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

Date/Time	June 8, 2004
Site Contact(s)	Dyan Foss
Phone	(303) 966-7577
Regulatory Contact	Edd Kray
Phone	(303) 966-2115
Agency	CDPHE

Purpose of Contact Survey Unit 20 Disposition

Discussion

In accordance with the 776/777 DOP, Appendix I, the preparation of the facility for demolition is conducted in consultation with the CDPHE and is based on a series of decisions primarily related to maintaining releases to the environment and doses to the workers as low as reasonably achievable (ALARA) This contact record documents the activities that were conducted to prepare Survey unit 20 for demolition Survey unit 20 consists of room 433

The preparation process for Survey unit 20 was initiated January 5, 2004 when a package for in-process radiological surveys was prepared and executed Once the surveys were complete, the results were discussed at the weekly 776/777 survey status meeting, and the decision was made to complete the following

- Concrete shaving was performed on all floor surfaces
- Six (6) column expansion joints with spots greater than 1,000,000 dpm/100cm² were remediated by manual chipping and removal of the hot spots
- Three (3) rows of highly contaminated block were removed from the top of Wall 20-1 (Outer Superdry North Wall)
- Eleven (11) rows of highly contaminated block were removed from the top of Wall 20-6 (Opposite of Wall 776019-2 Section C)
- Highly contaminated block was removed from the north upper portion of wall 776020-7, section D (Outer Superdry East Wall)

The area was resurveyed in accordance with the Radiological Pre-Demolition Survey Plan for Buildings 776/777 The surveys were provided to the CDPHE project representative, and a walk down of the area was conducted

In addition to the radiological hazards, the non-radiological hazards have also been addressed in Survey unit 20 The following summarizes the non-radiological activities

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- Room 443 contained ancillary RCRA piping associated with glovebox 524 and the tanks in room 430. This portion of the RCRA unit was closed through the removal of the piping and the washing the secondary under the piping, which is documented in a contact record dated 2/4/04
- Chemicals and hazardous substances have been removed
- Beryllium regulated and controlled areas have been closed. Room 433 was not listed on the historical list of rooms. There is no historical record of beryllium use in this room. The KH baseline characterization of 1999 indicated no removable beryllium contamination in this survey unit. Since the baseline survey, the rooms have been stripped of all equipment. All samples collected were below the reporting limit of 0.1 ug/100 cm²
- Polychlorinated biphenyls (PCB) hazards and equipment have been removed
- Asbestos has been abated

Based on the survey results and the principles of ALARA, the risks (industrial and radiological) to the workers are greater than the benefit in source term reduction, which would be gained through additional decontamination. The state project representative agrees that decontamination inside Survey unit 20 has progressed to the point of reasonably achievable removal and that the subsequent step of encapsulation is appropriate.

In summary, ALARA-based decontamination has been completed, Survey unit 20 will be encapsulated and surveyed for removable contamination, and controls will be applied during demolition. This contact record will be included as an appendix to the characterization report for Survey unit 20.

Contact Record Prepared By Dyan Foss

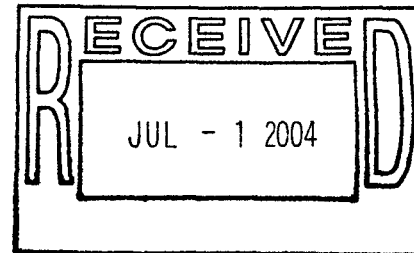
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